

NATURAL RESOURCES CONSERVATION SERVICE
CONSERVATION PRACTICE GENERAL SPECIFICATIONS

**SURFACE DRAINAGE
MAIN OR LATERAL**

(ft)

CODE 608

1. SCOPE

The work shall consist of constructing the open drainage ditch and spreading the spoil.

2. Location

The location of the drainage ditch shall be as shown on furnished drawings or as staked in the field.

3. Public and private utilities

Utilities are defined to be overhead and underground power or communication lines, and pipelines. All utilities discovered to be in the work area are shown on the drawings or sketches. However, the absence of indicators on the drawings or sketches does not assure the nonexistence of utilities in the work area. The contractor is alerted to conduct his/her own search and discovery for utilities in order to lessen or avoid potential damages. The owner/operator shall complete TX-ENG-80, UTILITIES INVENTORY prior to layout or any ground disturbance and return it to an NRCS representative.

4. Clearing

The channel area shall be cleared of trees, logs, stumps, and other materials necessary for construction. Care must be taken to protect all trees to be saved for environmental purposes. All material shall be disposed of by an acceptable method as shown on the plans.

5. Excavation

Channels shall be excavated to line and grade as shown on the plans or as staked in the field. The excavated surface shall be reasonably smooth. Construction activities shall be carried on in a manner that will not restrict flow from upstream channels. Care must be taken to reduce and prevent pollution of water.

6. Material

Material excavated from the drainage ditch and spread in the spoil area shall be free of objectionable material such as roots, brush, and debris that may interfere with performance of the ditch and with shaping of the spoil as specified. Undesirable material will be disposed of as specified.

7. Spoil

Spoil shall be disposed of as shown on the plans or as marked in the field.

8. Placement of earth material

The drainage ditch shall be constructed to dimensions specified on the drawings or as staked in the field. Earth spoil material from the excavated ditch shall be spread, shaped, or placed in spoilbanks as specified or as shown on the drawings. The spoil material area shall be finished to a smoothness so the surface can be readily traveled upon by farm type equipment.

9. Structures

All structures and other related protection devices shall be installed as the work progresses to permit proper functioning of the ditch and to prevent environmental damage during the installation period.

10. Vegetation

Vegetation shall be planted at times and rates shown in the plans or in the specifications for each job.

11. Removal of water

It will be the contractor's responsibility to perform work required for the removal of surface or groundwater as needed to perform the required construction in accordance with the specifications and drawings. The contractor will be responsible for the repair of any damage incurred by failure of his dewatering system.

12. Construction operations

Construction operations shall be carried out in such a manner that erosion and air and water pollution will be minimized.

13. Measurement

Measurement for volume of excavation will be based on the designed cross sectional area computed from the natural ground line to the designed neat line of the ditch for measured length of the ditch. The volume of ditch excavation will be computed to the nearest cubic yard.

14. Construction details